BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work: Modified Estimate for Improvements of Roads and drains in Amruthahalli S.C Colony 1st and 3rd Cross in ward No. 07- Byatarayanapura, Kodigehalli Sub Division.

SL NO	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
1	KSRRB 300-1: Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and side neatlydressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifictaions complete as per specifcations MORTH chapter 3.No.138, Item NO. 19.2 PWD SR 2014-15	Cum							
	Colony main road		2	45.00	0.80	0.75	54.00		
	1ST Cross- RHS		1	50.00	0.80	0.75	30.00		
	2ND Cross- RHS		2	47.00	0.80	0.75	56.40		
	3rd Cross -RHS		1	66.30	0.80	0.75	39.78		
	OTHER SIDE		1	60.30	0.80	0.75	36.18		
	Cross roads		2	22.00	0.80	0.75	26.40		
	Cross roads		2	22.00	0.80	0.75	26.40		
	Amruthalli colony road		1	52.00	0.80	0.75	31.20		
	1ST Cross-IHS		2	53.50	0.80	0.75	64.20		
	2nd Cross-IHS		2	56.00	0.80	0.70	62.72		
	cross Road		2	22.00	0.80	0.70	24.64		
	Dead end road		1	88.00	0.80	0.70	49.28	TR	
						Total:-	**501.20**	102.11	**51178.00**
2	KSRRB:- Compaction of original ground with maximum of 6passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specfications. (P.145, INO.19.64) SR 2014-15	Sqm							
			Not Executed					4.32	
3	KSRRB 300-64.2:- Extra for watering the earth to bring the earth upto required optimum moisture content with machinery including cost of all labour, HOM Machineries complete as per specifications.(P No.146, It No.19.72) SR-2014-15	Sqm							
			Not Executed					2.08	

SL NO	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
4	KSRB 4-1.3: Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, conrete laid in layers not exceeding 15 cms. Thick well compacted in foundation and plinth, including cost of all materials labour, HOM of machinery, curing complete as per specification . (Pg.No.12, It.4.3)	Cum							
	DRAIN BOTTOM								
	Colony main road		2	45.00	0.80	0.15	10.80		
	1ST Cross- RHS		1	50.00	0.80	0.15	6.00		
	2ND Cross- RHS		2	47.00	0.80	0.15	11.28		
	3rd Cross -RHS		1	66.30	0.80	0.15	7.96		
	OTHER SIDE		1	60.30	0.80	0.15	7.24		
	Cross roads		2	22.00	0.80	0.15	5.28		
	Cross roads		2	22.00	0.80	0.15	5.28		
	Amruthalli colony road		1	52.00	0.80	0.15	6.24		
	1ST Cross-IHS		2	53.50	0.80	0.15	12.84		
	2nd Cross-IHS		2	56.00	0.80	0.15	13.44		
	cross Road		2	22.00	0.80	0.15	5.28		
	Dead end road		1	88.00	0.80	0.15	10.56	TR	
						Total:-	**102.19**	4676.42	**477893.00**
5	Providing and laying cement concrte using 20mm and down size granite jelly of ready mix conrete for RCC works laid in 15cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3 with all lead and lift etc., complete(exclusive of cost of steel, fabrication and plastering charges) Ready mixed concrete for beams, columns, stair case and roof with M-20(P.18, I.No4.49.1) SR-2014-15	Cum							
	DRAIN BOTTOM								
	Colony main road		2	45.00	0.80	0.15	10.80		
	1ST Cross- RHS		1	50.00	0.80	0.15	6.00		
	2ND Cross- RHS		2	47.00	0.80	0.15	11.28		
	3rd Cross -RHS		1	66.30	0.80	0.15	7.96		
	OTHER SIDE		1	60.30	0.80	0.15	7.24		
	Cross roads		2	22.00	0.80	0.15	5.28		
	Cross roads		2	22.00	0.80	0.15	5.28		
	Amruthalli colony road		1	52.00	0.80	0.15	6.24		
	1ST Cross-IHS		2	53.50	0.80	0.15	12.84		
	2nd Cross-IHS		2	56.00	0.80	0.15	13.44		
	cross Road		2	22.00	0.80	0.15	5.28		
	Dead end road		1	88.00	0.80	0.15	10.56		
	COVERING SLAB								
	Colony main road		2	45.00	0.60	0.10	5.40		
	1ST Cross- RHS		1	50.00	0.60	0.10	3.00		
	2ND Cross- RHS		2	47.00	0.60	0.10	5.64		
	3rd Cross -RHS		1	66.30	0.60	0.10	3.98		

SL NO	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
	OTHER SIDE		1	60.30	0.60	0.10	3.62		
	Cross roads		2	22.00	0.60	0.10	2.64		
	Cross roads		2	22.00	0.60	0.10	2.64		
	Amruthalli colony road		1	52.00	0.60	0.10	3.12		
	1ST Cross-IHS		2	53.50	0.60	0.10	6.42		
	2nd Cross-IHS		2	56.00	0.60	0.10	6.72		
	cross Road		2	22.00	0.60	0.10	2.64		
	Dead end road		1	88.00	0.60	0.10	5.28	TR	
						Total:-	**153.29**	5641.30	**864744.00**
6	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **171 / Item No. 22.7 / PWD SR 2014-15**	Sqm							
			Not Executed					93.78	
7	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator and HOM of machinery including cost of blade coolant etc including cleaning of groove and providing sand and hot bitumne fillars, and filler metal etc., indluding cost of converyance of all materials, labours, lead and lift charges and all other incidental charges as per drawing and as per specification **Concrete Pavement Page No. 172 / Item No. 22.8.1 / PWD SR 2014-15**	Rmt							
			Not Executed					119.83	
8	KSRB 4-.9-2:Providing and fabricating TMT . Steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications . (Page NO 17, Itm. NO. 4.46.2)	tonne							
	For covering slab								
	Colony main road		2	45.00	0.60	0.10	5.40		
	1ST Cross- RHS		1	50.00	0.60	0.10	3.00		
	2ND Cross- RHS		2	47.00	0.60	0.10	5.64		
	3rd Cross -RHS		1	66.30	0.60	0.10	3.98		
	OTHER SIDE		1	60.30	0.60	0.10	3.62		
	Cross roads		2	22.00	0.60	0.10	2.64		
	Cross roads		2	22.00	0.60	0.10	2.64		

SL NO	Description of work	Unit	No.	Dimensions L	B	D	Qty	Rate	Amount
	Amruthalli colony road		1	52.00	0.60	0.10	3.12		
	1ST Cross-lHS		2	53.50	0.60	0.10	6.42		
	2nd Cross-lHS		2	56.00	0.60	0.10	6.72		
	cross Road		2	22.00	0.60	0.10	2.64		
	Dead end road		1	88.00	0.60	0.10	5.28		
						Total:-	**3.29**	75593.86	**248704.00**
	Qty as per Item No.05. Covering slab = 51.10 cum								
9	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.3 / PWD SR 2014-15**	Sqm							
			Not Executed					89.61	
10	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km	Cum					**501.20**	78.15	**39169.00**
	EIRL								
1	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.2, PWD SR 2016-17**	Sqm							
	SIDEWALLS								
	Colony main road	(2x2)	4	45.00		0.60	108.00		
	1ST Cross- RHS	(1x2)	2	50.00		0.60	60.00		
	2ND Cross- RHS	(2x2)	4	47.00		0.60	112.80		
	3rd Cross -RHS	(1x2)	2	66.30		0.60	79.56		
	OTHER SIDE	(1x2)	2	60.30		0.60	72.36		
	Cross roads	(2x2)	4	22.00		0.60	52.80		
	Cross roads	(2x2)	4	22.00		0.60	52.80		
	Amruthalli colony road	(1x2)	2	52.00		0.60	62.40		
	1ST Cross-lHS	(2x2)	4	53.50		0.60	128.40		
	2nd Cross-lHS	(2x2)	4	56.00		0.60	134.40		
	cross Road	(2x2)	4	22.00		0.60	52.80		
	Dead end road	(1x2)	2	88.00		0.60	105.60		
						Total:-	**1021.92**	927.58	**947911.00**
	Basic Rate	907.00							
	Area Weightage @ 6%	54.42							
		961.42							
	Tender Premium @ -3.52%	33.84							
	Total	**927.58**							

SL NO	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
2	KSRB15-3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No.112/ Item No. 15.11, PWD SR 2016-17**	Sqm							
	SIDEWALLS								
	Colony main road		4	45.00		0.60	108.00		
	1ST Cross- RHS		2	50.00		0.60	60.00		
	2ND Cross- RHS		4	47.00		0.60	112.80		
	3rd Cross -RHS		2	66.30		0.60	79.56		
	OTHER SIDE		2	60.30		0.60	72.36		
	Cross roads		4	22.00		0.60	52.80		
	Cross roads		4	22.00		0.60	52.80		
	Amruthalli colony road		2	52.00		0.60	62.40		
	1ST Cross-IHS		4	53.50		0.60	128.40		
	2nd Cross-IHS		4	56.00		0.60	134.40		
	cross Road		4	22.00		0.60	52.80		
	Dead end road		2	88.00		0.60	105.60		
						Total:-	**1021.92**	153.40	**156766.00**
	Basic Rate	150.00							
	Area Weightage @ 6%	9.00							
		159.00							
	Tender Premium @ -3.52%	5.60							
	Total	**153.40**							
3	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.31 PWD SR 2016-17**	Sqm							
	COVERING SLAB- for vent portion								
	Colony main road		2	45.00		0.30	27.00		
	1ST Cross- RHS		1	50.00		0.30	15.00		
	2ND Cross- RHS		2	47.00		0.30	28.20		
	3rd Cross -RHS		1	66.30		0.30	19.89		
	OTHER SIDE		1	60.30		0.30	18.09		
	Cross roads		2	22.00		0.30	13.20		
	Cross roads		2	22.00		0.30	13.20		
	Amruthalli colony road		1	52.00		0.30	15.60		
	1ST Cross-IHS		2	53.50		0.30	32.10		
	2nd Cross-IHS		2	56.00		0.30	33.60		
	cross Road		2	22.00		0.30	13.20		
	Dead end road		1	88.00		0.30	26.40		
						Total:-	**255.48**	299.65	**76551.70**

SL NO	Description of work	Unit	No.	Dimensions			Qty	Rate	Amount
				L	B	D			
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							
		310.58							
	Tender Premium @ -3.52%	10.93							
	Total	**299.65**							
4	Rounding off								289.89
								Total:-	**2863206.59**

Certificate:-

1)This is certified that the work spot comes under BBMP limits only.

2)The rates are as per Tender Premium +/- SR 2016-17 year of PWD Bangalore Circle.

3)The Provisions made in estimate are adequate and necessary.

Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Kodigehalli Sub Division

24/01

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

24/01

"Modified Estimate Sanctioned"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Bangalore

01.02.17